

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/10523

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C12N15/00, C12Q1/68, C12M1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C12N15/00, C12Q1/68, C12M1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPIDS/BIOSIS/BIOTECHABS/MEDLINE/CA(STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
$\frac{X}{Y}$ A	Translated under the supervision of Ikunoshin KATO, "DNA Micro Array", Takara Shuzo Kabushiki Kaisha, 2000, pages 173 to 190	$\frac{1, 2}{31}$ 3-30
$\frac{X}{Y}$ A	Washizu M. et al., Applications of electrostatic stretch-and-positioning of DNA, IEEE Transactions on Industry Applications, 1995, Vol.31, pages 447 to 456	$\frac{24, 26-30}{31}$ 1-23, 25
A	Masao WASHITSU, "Minagara Okonau DNA Handling", Journal of the Visualization Society of Japan, 2000, Vol.76, pages 19 to 24	1-31
A	Namasivayam V. et al., Electrostretching DNA molecules using polymer-enhanced media within microfabricated devices, Anal.Chem., 2002 July, Vol.74, pages 3378 to 3385	1-31

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
20 November, 2003 (20.11.03)

Date of mailing of the international search report
09 December, 2003 (09.12.03)

Name and mailing address of the ISA/
Japanese Patent Office.

Authorized officer

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INTERNATIONAL SEARCH REPORT		International application No. PCT/JP03/10523
C (Continuation) - DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevancy to claim No.
P2A	Hofzel R. et al., Oriented and vectorial immobilization of linear M13 dsDNA between interdigitated electrodes towards single molecule DNA nanostructures, 2003 May, Vol. 18, pages 555 to 564	1-31

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